

Printed-circuit board connector - ISPC 16/ 2-STGF-10,16 - 1748707

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)

Plug component, Nominal current: 76 A, Rated voltage (III/2): 1000 V, Number of positions: 2, Pitch: 10.16 mm, Connection method: Push-in spring connection, Color: green, Contact surface: Silver



The illustration shows the 5-pos. version

Product Features

- Time saving push-in connection, tools not required
- Defined contact force ensures that contact remains stable over the long term
- Clamping space opened by means of fixed screwdriver enables convenient conductor connection
- Inverted connector with pin contacts for touch-proof device outputs or free-hanging cable/cable connections
- Screwable flange for superior mechanical stability



Key Commercial Data

| | |
|--------------------------------------|----------|
| Packing unit | 1 pc |
| Minimum order quantity | 50 pc |
| Weight per Piece (excluding packing) | 21.9 g |
| Custom tariff number | 85366990 |
| Country of origin | Bulgaria |

Technical data

Dimensions

| | |
|-------------|----------|
| Pitch | 10.16 mm |
| Dimension a | 10.16 mm |

General

| | |
|-----------------------------|-----------------|
| Range of articles | ISPC 16/..-STGF |
| Insulating material group | I |
| Rated surge voltage (III/3) | 8 kV |

Printed-circuit board connector - ISPC 16/ 2-STGF-10,16 - 1748707

Technical data

General

| | |
|--|--------------------|
| Rated surge voltage (III/2) | 8 kV |
| Rated surge voltage (II/2) | 6 kV |
| Rated voltage (III/3) | 1000 V |
| Rated voltage (III/2) | 1000 V |
| Rated voltage (II/2) | 1000 V |
| Connection in acc. with standard | EN-VDE |
| Nominal current I_N | 76 A |
| Nominal cross section | 16 mm ² |
| Maximum load current | 76 A |
| Insulating material | PA |
| Flammability rating according to UL 94 | V0 |
| Stripping length | 18 mm |
| Number of positions | 2 |

Connection data

| | |
|---|----------------------|
| Conductor cross section solid min. | 0.75 mm ² |
| Conductor cross section solid max. | 16 mm ² |
| Conductor cross section flexible min. | 0.75 mm ² |
| Conductor cross section flexible max. | 16 mm ² |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.75 mm ² |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 16 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve min. | 0.75 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve max. | 10 mm ² |
| Conductor cross section AWG min. | 18 |
| Conductor cross section AWG max. | 4 |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.75 mm ² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 4 mm ² |
| Minimum AWG according to UL/CUL | 20 |
| Maximum AWG according to UL/CUL | 4 |

Standards and Regulations

| | |
|--|--------|
| Connection in acc. with standard | EN-VDE |
| | CUL |
| Flammability rating according to UL 94 | V0 |

Printed-circuit board connector - ISPC 16/ 2-STGF-10,16 - 1748707

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 272607xx |
| eCl@ss 4.1 | 27260701 |
| eCl@ss 5.0 | 27260701 |
| eCl@ss 5.1 | 27260701 |
| eCl@ss 6.0 | 27260704 |
| eCl@ss 7.0 | 27440402 |
| eCl@ss 8.0 | 27440309 |
| eCl@ss 9.0 | 27440309 |

ETIM

| | |
|----------|----------|
| ETIM 3.0 | EC001121 |
| ETIM 4.0 | EC002638 |
| ETIM 5.0 | EC002638 |

UNSPSC

| | |
|---------------|----------|
| UNSPSC 6.01 | 30211810 |
| UNSPSC 7.0901 | 39121409 |
| UNSPSC 11 | 39121409 |
| UNSPSC 12.01 | 39121409 |
| UNSPSC 13.2 | 39121409 |

Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / SEV / EAC / IECCEB Scheme / EAC / cULus Recognized


Ex Approvals

Approvals submitted


Approval details

Printed-circuit board connector - ISPC 16/ 2-STGF-10,16 - 1748707

Approvals

UL Recognized 

| | B | C |
|--------------------------------|-------|-------|
| mm ² /AWG/kcmil | 20-4 | 20-4 |
| Nominal current I _N | 66 A | 66 A |
| Nominal voltage U _N | 600 V | 600 V |


cUL Recognized 

| | B | C |
|--------------------------------|-------|-------|
| mm ² /AWG/kcmil | 20-4 | 20-4 |
| Nominal current I _N | 66 A | 66 A |
| Nominal voltage U _N | 600 V | 600 V |

SEV

| | |
|--------------------------------|--------|
| mm ² /AWG/kcmil | 16 |
| Nominal current I _N | 76 A |
| Nominal voltage U _N | 1000 V |

EAC

IECEE CB Scheme 

| | |
|--------------------------------|--------|
| Nominal current I _N | 76 A |
| Nominal voltage U _N | 1000 V |

EAC

cULus Recognized 

Drawings

Printed-circuit board connector - ISPC 16/ 2-STGF-10,16 - 1748707

Dimensional drawing

